

In re Application of: Bobrowski, Paul J
Serial No.: 10/674,986
Raymond J.
Atty. Docket No.: PHMC0745-020

Art Group: 1614
Examiner: Henley III,

Amendment dated 6/11/2004
Reply to Office Action of March 15, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A method of extracting the lipidic components from plants of the ~~family Rubiaceae~~ genus Uncaria, comprising:

decocting ~~[[the]]~~ plant material from the genus Uncaria family ~~Rubiaceae~~ to resolve a decocted extract;

filtering the solid mater from the decocted extract;

combining the filtered decocted extract with an organic solvent;

agitating the combination;

~~[[settling]] separating~~ the combination into distinct phases to resolve an ~~aqueous-layer-a~~ genus Uncaria extract comprising polar constituents and substantially ~~deplete comprised-of~~ lipidic constituents ~~and an organic layer substantially comprised of lipophilic constituents~~; and

evaporating the ~~aqueous-layer~~ organic solvent to resolve the ~~lipidic~~ polar constituents.

2. (Original) The method in claim 1 further comprising,

drying the filtered decocted extract prior to the step of combining the decoction with an organic solvent.

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3. (Cancelled)

4. (Currently amended) The method of claim **[[3]] 1** wherein, the *Uncaria* species is selected from the group consisting of genera; *Uncaria guianensis*, *Uncaria homomalla*, *Uncaria perrottetii*, *Uncaria pteropoda*, *Uncaria rhynchopylla* and *Uncaria tomentosa*.

5. (Currently Amended) The method of claim 1 wherein,

the step of filtering is achieved by a method selected from the group consisting of **[[.]]** gravitational filtering and vacuum filtering methods.

6. (Currently amended) The method of claim **[[1]] 2** wherein,

the step of drying is achieved by a method selected from the group consisting of, air-drying, spray drying, freeze-drying and **[[or]]** vacuum drying **[[methods]]**.

7. (Original) The method of claim 1 wherein,

the organic solvent is selected from the group consisting of; chloroform and methanol, and ethyl acetate.

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8. **(Currently Amended)** An extract from ~~family-Rubiaceae~~ genus Uncaria comprising polar constituents and having an oxindole ~~alkaloids- alkaloid~~ content ~~[[of]] depleted to~~ less than about 0.3 milligrams per gram ~~of dried family-Rubiaceae plant material decoction.~~
9. **(Currently Amended)** The extract in claim 8 wherein ~~the starting oxindole alkaloids content per gram of the dried genus Uncaria family Rubiaceae~~ plant material decoct has a starting oxindole alkaloids content of ~~[[is]]~~ at least about 9 mg per gram of genus Uncaria plant material.
10. **(Cancelled)**
11. **(Cancelled)**
12. **(Cancelled)**
13. **(Original)** The extract in claim 8 embodied in an internally administered or topically administered pharmaceutical dosage.
14. **(Currently Amended)** The pharmaceutical dosage in claim ~~[[11]]~~ 13 comprising a biologically active amount sufficient to ameliorate a condition selected from the group consisting of; NF-kB activation, oxidant burden, enhanced cytokine production and cell death.
15. **(Currently Amended)** The pharmaceutical dosage in claim ~~[[11]]~~ 13 comprising a biologically active amount to ameliorate a conditions selected from the group consisting of; arthritis ~~(both osteoarthritis and rheumatoid),~~

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inflammatory bowel disease ~~[[IBD]]~~, gastritis, inflammation of the eyes, skin, liver, muscles and kidney, fibromyalgia, atherosclerosis, and Alzheimer's disease.

16. (Currently Amended) A method of reducing the alkaloid content in an extract from plants of the ~~family Rubiaceae~~ genus Uncaria, comprising:

decocting the plant material from the ~~family Rubiaceae~~ genus Uncaria to resolve a decocted extract;

filtering the solid mater from the decocted extract;

combining the filtered decocted extract with an organic solvent;

agitating the combination;

[[settling]] separating the combination ~~into distinct phases~~ to resolve ~~an aqueous layer a genus Uncaria extract~~ substantially comprised of ~~lipidic polar~~ constituents and substantially devoid of alkaloids; and

evaporating the ~~aqueous layer organic solvent~~ to resolve the ~~lipidic polar~~ constituents.

17. (New) The method of claim 16 wherein,

the step of separating the combination comprises settling the combination.

18. (New) The method of claim 1 wherein,

the step of separating the combination comprises settling the combination.